JC658 U.S. PTO
09/661899
09/14/00

Subclass 110
Class 438
ISSUE CLASSIFICATION

T-4

PATENT NUMBER

U.S. UTILITY Patent Application

O.I.P.E.
SCANNED ___ Q.A. ___

PATENT DATE

APPLICATION NO.	CONT/PRIOR	CLASS	SUBCLASS	ART UNIT	EXAMINER
09/661899		257	-678	2814	CHAU

APPLICANTS

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Qing Ma
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Steven Towle

TITLE

Process for forming a direct build-up layer on an encapsulated die package and intermediate structures formed therewith

PTO-2040
12/99

ISSUING CLASSIFICATION

ORIGINAL			CROSS REFERENCE(S)					
CLASS	SUBCLASS		CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
438	110		438	118	126	127	622	
INTERNATIONAL CLASSIFICATION								
H 0 1 L	21/48							

☐ Continued on Issue Slip Inside File Jacket

TERMINAL ☐ DISCLAIMER	DRAWINGS			CLAIMS ALLOWED	
	Sheets Drwg.	Figs. Drwg.	Print Fig.	Total Claims	Print Claim for O.G.
	21	22	6a 16b 6c	24	1

☐ The term of this patent
subsequent to _____ (date)
has been disclaimed.

(Assistant Examiner)   (Date)

☐ The term of this patent shall
not extend beyond the expiration date
of U.S Patent. No. _____

_____

Alonzo Chambliss   4/2/02
(Primary Examiner)   (Date)

☐ The terminal ___ months of
this patent have been disclaimed.

(Legal Instruments Examiner)   4/6/04
(Date)

NOTICE OF ALLOWANCE MAILED

04/05/04
1-7-05

ISSUE FEE

Amount Due	Date Paid
$1,330	

ISSUE BATCH NUMBER

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(Attached in pocket on right inside flap)

Formal Drawings   shts) set

Final Drawings (___ shts) set

(FACE)